



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**QuikServ Corp.**  
**11441 Brittmore Park Drive**  
**Houston, TX 77240**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "Impact Pass-Thru Horizontal Sliding" Aluminum Pass-Through Windows - L. M. I.**

**APPROVAL DOCUMENT:** Drawing No. **11-120**, titled "Commercial Pass-Thru Windows - Large Missile Impact Resistant", sheets 1 through 14 of 14, dated 11/17/11 with revision #1 dated 11/17/11, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # **08-1210.04** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 11-1206.07**  
**Expiration Date: March 25, 2014**  
**Approval Date: February 16, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **11-120**, titled "Commercial Pass-Thru Windows - Large Missile Impact Resistant", sheets 1 through 14 of 14, dated 11/17/11 with revision #1 dated 11/17/11, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of Aluminum Horizontal Sliding Window, prepared by Architectural Testing, Inc., Test Report No. **ATI-85482.01-801-18**, dated 12/01/08, revision "1", dated 02/16/09, signed and sealed by Joseph A. Reed, P. E.  
*(Submitted under previous NOA# 08-1210.04)*

**C. CALCULATIONS**


1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by Tilteco, Inc., dated 04/24/07 and updated to FBC-2010 on 11/28/11, signed and sealed by Walter A. Tillit, P. E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **08-1224.04** issued to Solutia, Inc. for their "**Saflex Composites Glass Interlayer with PET Core**" dated 02/25/09, expiring on 12/11/13.
2. Material Safety Data Sheet issued by Quadrant Engineering Plastic Products, dated September 11, 2008 and revised by M. Lykins.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-1206.07  
Expiration Date: March 25, 2014  
Approval Date: February 16, 2012

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2007 and FBC-2010, dated 11/28/11, signed and sealed by Walter A. Tillit, P.E.
2. Statement letter of no financial interest, dated 12/02/08, signed and sealed by Walter A. Tillit, P.E.  
*(Submitted under previous NOA# 08-1210.04)*
3. Laboratory compliance letter for Test Report No. **ATI 85482.01-801-18**, issued by Architectural Testing, Inc., dated December 05, 2008, signed and sealed by Joseph A. Reed, P. E.  
*(Submitted under previous NOA# 08-1210.04)*
4. Proposal #**08-0950**, issued by BCCO, dated 07/31/08, signed by Renzo Narciso.  
*(Submitted under previous NOA# 08-1210.04)*

**G. OTHERS**

1. Notice of Acceptance No. **08-1210.04**, issued to QuikServ Corp. for their Series "Impact Pass-Thru" Aluminum Horizontal Sliding Window – L.M.I., approved on 03/25/09 and expiring on 03/25/14.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-1206.07

Expiration Date: March 25, 2014  
Approval Date: February 16, 2012

GENERAL NOTES:

1.COMMERCIAL PASS-THRU WINDOWS, LARGE MISSILE IMPACT RESISTANT, SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAVE BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2007 & 2010 EDITIONS OF THE FLORIDA BUILDING CODE.  
COMMERCIAL PASS-THRU WINDOWS, LARGE MISSILE IMPACT RESISTANT, MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES.

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODES, USING ASCE 7-05 STANDARD FOR INSTALLATIONS UNDER 2007 FBC & ASCE 7-10 FOR INSTALLATIONS UNDER 2010 FBC AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2. IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005.  
THESE COMMERCIAL PASS-THRU WINDOWS' ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 OF THE ABOVE MENTIONED CODES AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 PROTOCOLS, PER A.T.I. LAB REPORT # 85482.01-801-18 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1612 OF THE FLORIDA BUILDING CODE.

2. MAX. A.S.D. DESIGN PRESSURE RATING FOR THESE COMMERCIAL PASS-THRU WINDOWS IS:  
**+ 70, - 80 P.S.F.**

3. THESE COMMERCIAL PASS-THRU WINDOWS WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.

4. THESE COMMERCIAL PASS-THRU WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.

5. ALL COMPONENTS SHALL BE AS INDICATED ON BILL OF MATERIALS- ON SHEET 14 AND COMPONENTS DESCRIPTION ON SHEETS 10, 11 & 12.

6. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G = 0.55.

7. ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2., 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.

8. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.  
(A) TO EXISTING POURED CONCRETE: (MIN. f'c = 3192 PSI), MIN. EDGE DISTANCE (E.D.) = 2 1/2".  
- 1/4"Ø TAPCON ANCHORS W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC., THRU 1" P.T. WOOD BUCK (IF APPLICABLE).

(B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK WALL. MIN. EDGE DISTANCE (E.D.) = 2 1/2".  
- 1/4"Ø TAPCON ANCHORS W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ITW/BUILDEX, INC., THRU 1" P.T. WOOD BUCK (IF APPLICABLE).

(C) TO EXISTING DOUBLE 2x P.T. WOOD BUCK. MIN. EDGE DISTANCE (E.D.) = 1".  
- 1/4"Ø WOOD SCREWS W/ 3" MIN. THREADED PENETRATION, TO COMPLY W/ NDS 2005.

(D) TO EXISTING MIN. 1/8" THICK ALUMINUM TUBE (6063-T5 ALLOY) MIN. EDGE DISTANCE (E.D.) = 1/2".  
- 1/4"Ø TEK SCREWS, AS MANUFACTURED BY ITW/BUILDEX, INC.

(E) TO EXISTING MIN. 18 GAGE STEEL MEMBER (ASTM A-500, A-653 OR A-36) MIN. EDGE DISTANCE (E.D.) = 1/2".  
- 1/4"Ø TEK SCREWS, AS MANUFACTURED BY ITW/BUILDEX, INC.

9. PROVIDE 1/4" MAX. SHIM SPACE.

10. COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION.  
ONE LABEL SHALL BE PLACED FOR EVERY UNIT. LABEL SHALL READ AS FOLLOWS:  
"PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT"  
**QUIKSERV CORP.**  
HOUSTON, TEXAS.  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

11. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

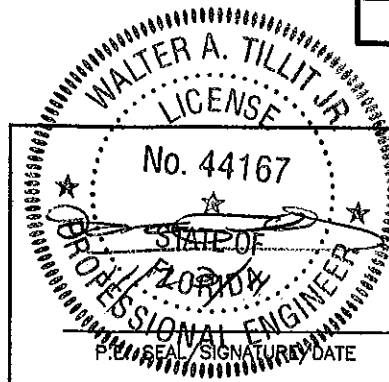
(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

SHEET #	TABLE OF CONTENTS
	DESCRIPTION
1	GENERAL NOTES
2	IMPACT WINDOWS EXTERIOR ELEVATIONS
3	SS-4035E-IP WINDOW TYPE 1 (XO)
4	SC-4030-IP WINDOW TYPE 2 (XO)
5	SC-3030-IP WINDOW TYPE 3 (XO)
6	GLAZING DETAILS
7	DOOR - HEADER & SILL CONNECTIONS
8	ANCHOR INSTALLATION / LAYOUT
9	ANCHOR SCHEDULE
10	STEEL ASSEMBLY COMPONENTS
11	ALUMINUM EXTRUSIONS COMPONENTS
12	ASSEMBLY COMPONENTS (CONTINUED)
13	SASH INSTALLATION DETAILS
14	BILL OF MATERIALS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No **11-1206.07**  
Expiration Date **10/01/25/2014**  
By **Manuel Perez**  
Miami Dade Product Control

MIAMI DADE COUNTY



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**TILTECO inc.**

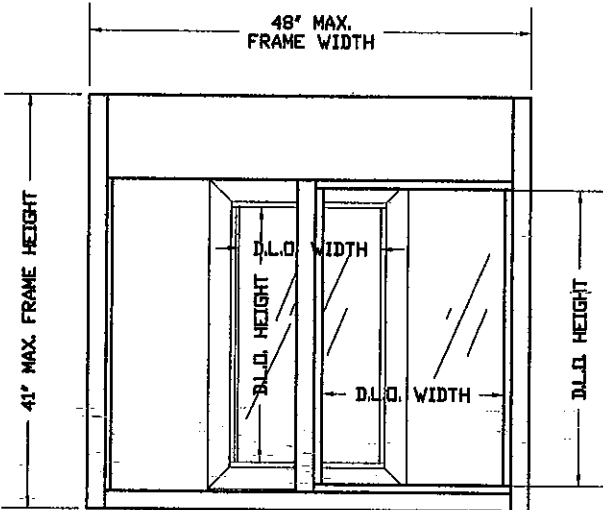
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone : (305)871-1530 - Fax : (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

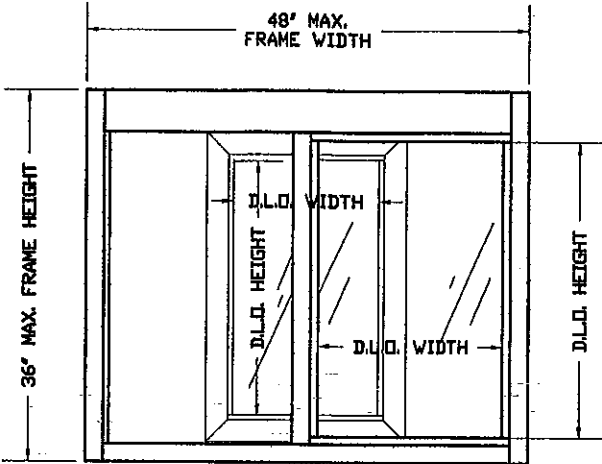
COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT						DRAWN BY F.P./M.C.V./A.G.	
<b>QUIKSERV CORP.</b> 11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041 PHONE: (713) 937-3437 FAX: (713) 937-9785						11/17/11 DATE	
11-120 DRAWING No						11-120 DRAWING No	
SHEET 1 OF 14							

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 08-251	11/17/11	3	-	-
2	-	-	4	-	-

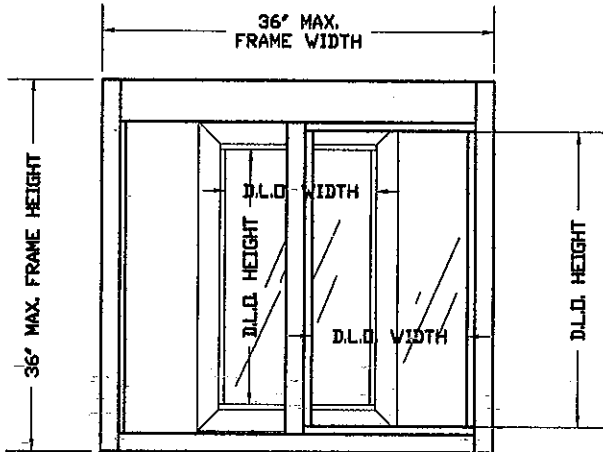
COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT  
EXTERIOR ELEVATIONS



SS-4035E-IP  
WINDOW TYPE 1 (XO)  
N.T.S.



SC-4030-IP  
WINDOW TYPE 2 (XO)  
N.T.S.



SC-3030-IP  
WINDOW TYPE 3 (XO)  
N.T.S.

MODEL	WINDOW TYPE	ACTUAL FRAME MAX. DIMENSION	MAX. D.L.O. DIMENSIONS	GLAZING TYPE
SS-4035E-IP	1	48"(W) X 41"(H)	(X) 16-3/4"(W) X 24"(H) (O) 19-1/2"(W) X 28"(H)	SEE PAGE 6 OF 14
SC-4030-IP	2	48"(W) X 36"(H)	(X) 16-3/4"(W) X 24"(H) (O) 19-1/2"(W) X 28"(H)	
SC-3030-IP	3	36"(W) X 36"(H)	(X) 11"(W) X 24"(H) (O) 15-1/2"(W) X 28"(H)	

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1206-07  
Expiration Date 11/17/14  
By *Manuel Pina*  
Miami Dade Product Control  
MIAMI DADE COUNTY



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**TILTECO INC.**  
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6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166  
Phone : (305)871-1530 . Fax : (305)871-1531  
EB-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT					
QUIKSERV CORP.					
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041 PHONE: (713) 937-3437 FAX: (713) 937-9785					
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 08-251	11/17/11	3	-	-
2	-	-	4	-	-

DRAWN BY  
F.P./M.C.V./A.G.  
11/17/11  
DATE  
11-120  
DRAWING No  
SHEET 2 OF 14

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

SEE SHEET 8  
OF 14 (TYP)

SEE SHEET 6 OF 14

SEE SHEET 6 OF 14

EXTERIOR

A

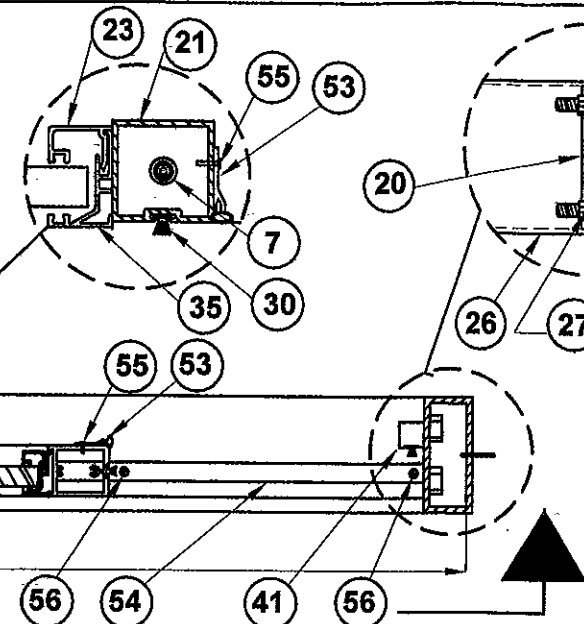
48" MAX. FRAME WIDTH

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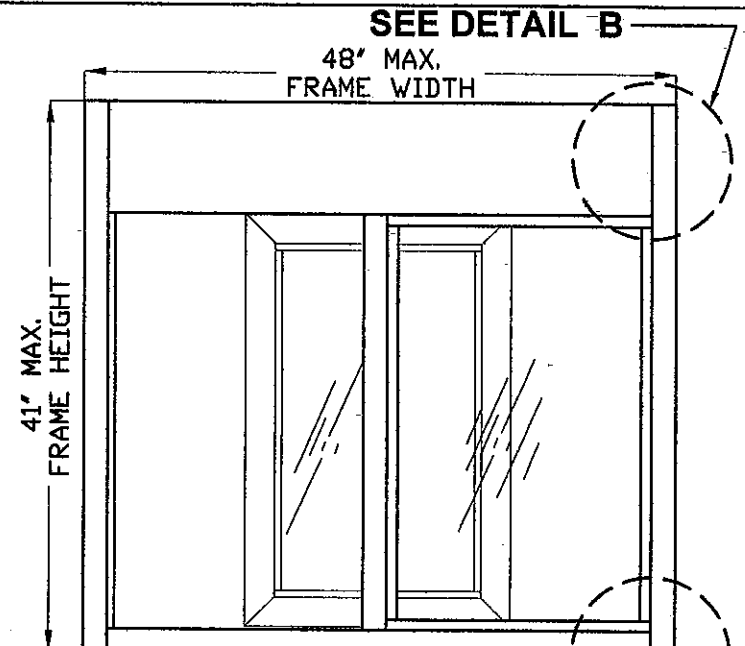
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HORIZONTAL SECTION VIEW

N.T.S.



SECTION A-A



SS-4035E-IP  
EXTERIOR VIEW (XO)  
N.T.S.

SEE DETAIL A

SEE SHEET 6 OF 14

48" MAX.  
FRAME WIDTH

1

41" MAX.  
FRAME HEIGHT

28" MAX. D.L.D.  
19 1/2" MAX. D.L.D.  
15 3/4" MAX. D.L.D.  
24" MAX. D.L.D.

48

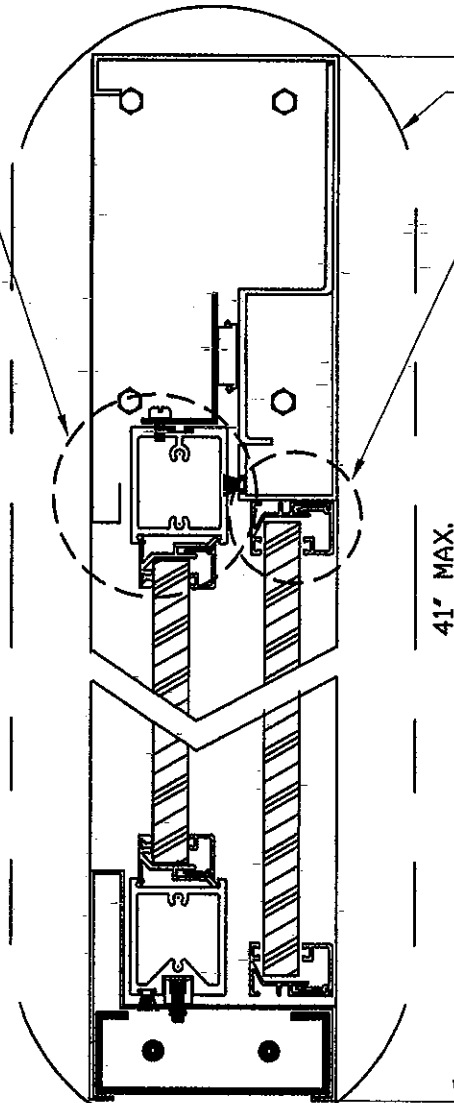
49

2

INTERIOR VIEW

N.T.S.

WINDOW TYPE 1 (XO)  
SS-4035E-IP



2

VERTICAL SECTION

VIEW

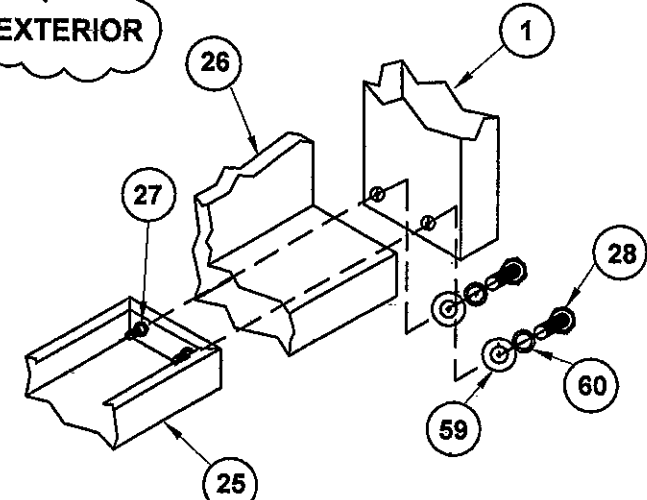
N.T.S.

SEE SHEET 7 OF 14

SEE SHEET 6 OF 14

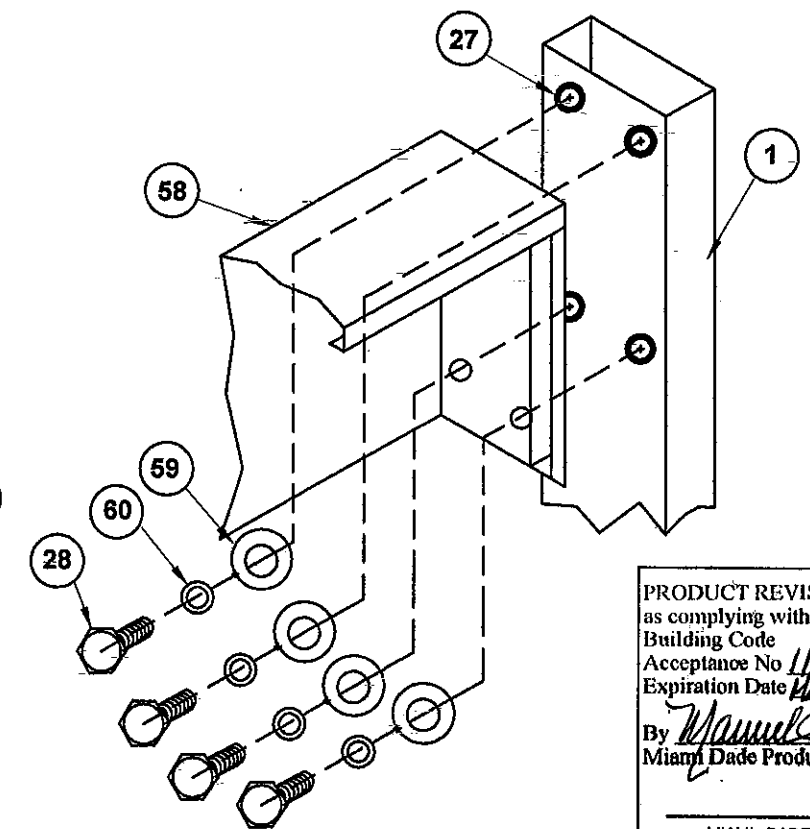
EXTERIOR

41" MAX.  
FRAME HEIGHT



DETAIL A (CORNER SILL)

N.T.S.



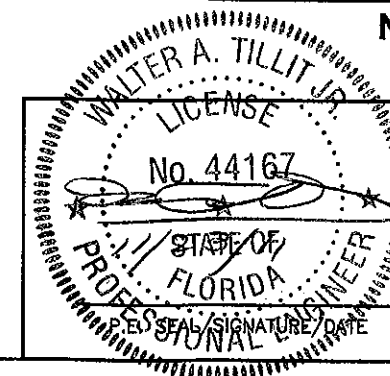
DETAIL B (CORNER HEAD)

N.T.S.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-1206-07  
Expiration Date March 25, 2014  
By *Manuel Ortiz*  
Miami Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



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**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33186  
Phone : (305) 871-1530 • Fax : (305) 871-1531  
EB-0008719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

**QUIKSERV CORP.**

11441 BRITTMORE PARK DRIVE,  
HOUSTON, TEXAS 77041

PHONE: (713) 937-3437 FAX: (713) 937-9765

DRAWN BY  
F.P./M.C.V./A.G.

11/17/11  
DATE

11-120  
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 08-251	11/17/11	3	-	-
2	-	-	4	-	-

SHEET 3 OF 14



SEE SHEET 8  
OF 14 (TYP)

SEE SHEET 6 OF 14

EXTERIOR

SEE SHEET 6 OF 14

36" MAX. FRAME WIDTH

1 HORIZONTAL SECTION VIEW  
N.T.S.

SEE SHEET 6 OF 14

36" MAX.  
FRAME WIDTH

36" MAX. FRAME HEIGHT

3 INTERIOR VIEW  
N.T.S.

WINDOW TYPE 3 (XO)  
SC-3030-IP

2 VERTICAL SECTION  
VIEW N.T.S.

SEE SHEET 7 OF 14

SEE SHEET 6 OF 14

EXTERIOR

DETAIL A (CORNER SILL)  
N.T.S.

DETAIL C (CORNER HEAD)  
N.T.S.

SEE DETAIL C

36" MAX.  
FRAME WIDTH

36" MAX. FRAME HEIGHT

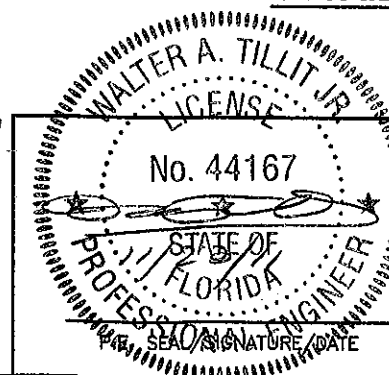
SC-3030-IP  
EXTERIOR VIEW (XO)  
N.T.S.

SEE DETAIL A

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1206-07  
Expiration Date March 25, 2014  
By *Manuel Diaz*  
Miami Dade Product Control

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



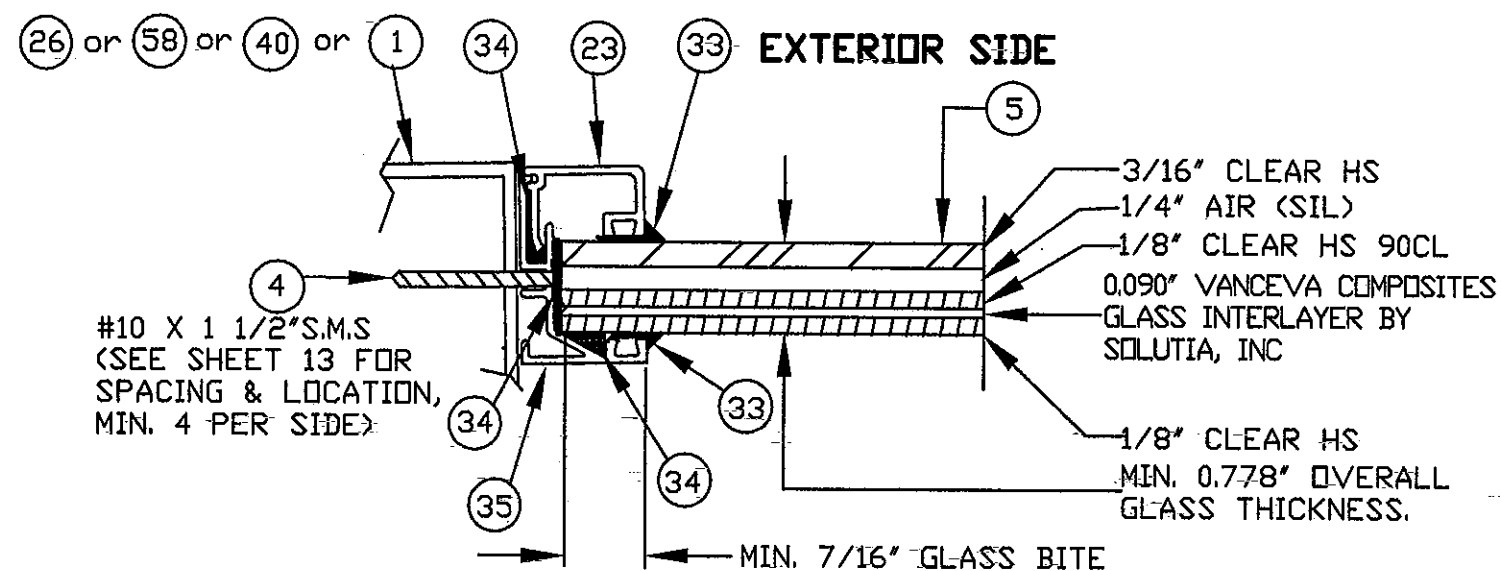
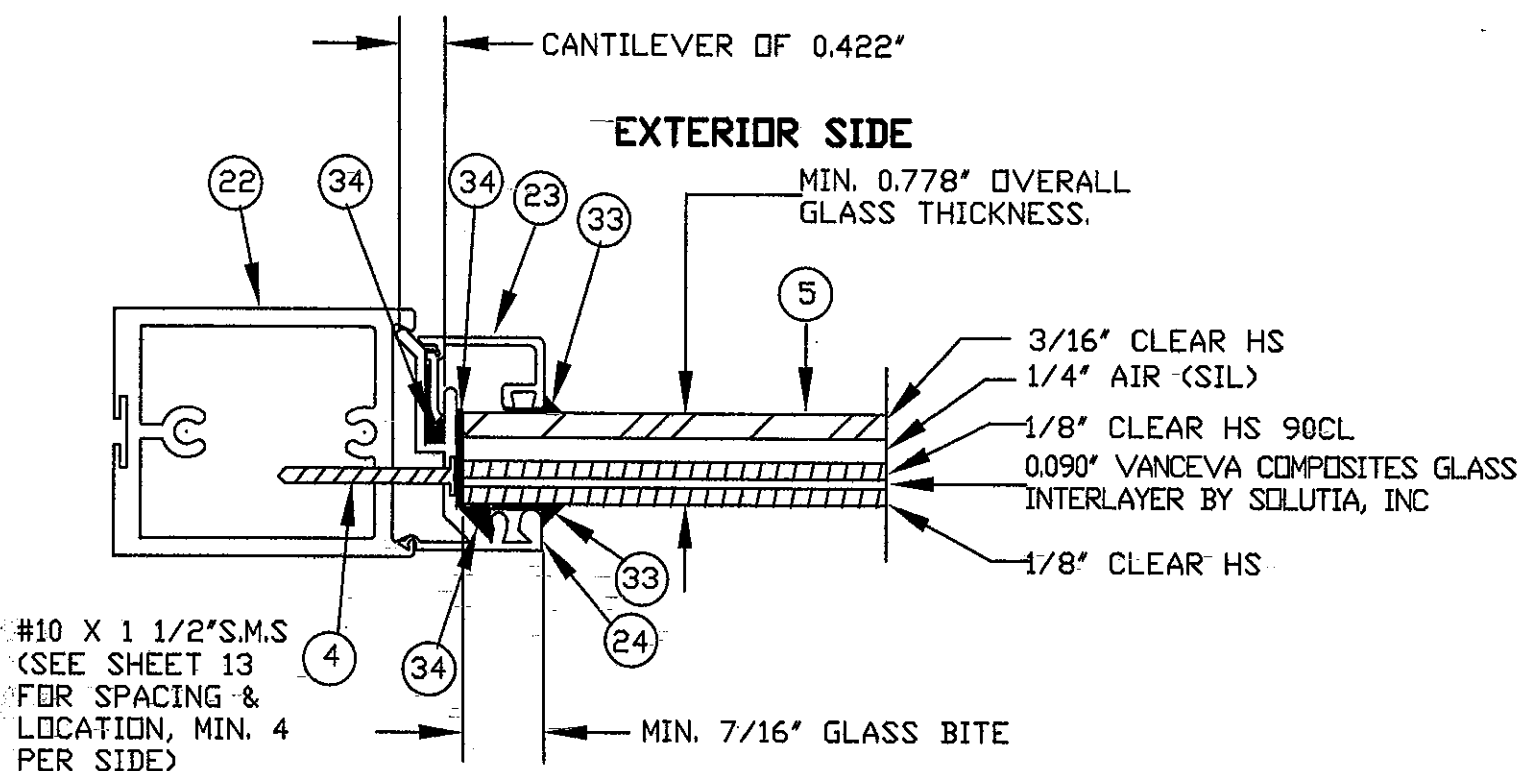
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**TILTECO INC.**

TILLIT TESTING & ENGINEERING COMPANY  
8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
Phone: (305) 871-1530 Fax: (305) 871-1531  
EB-0006719  
WALTER A. TILLIT Jr., P.E.  
FLORIDA Lic. # 44167

COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT						DRAWN BY F.P./M.C.V./A.G.	
<b>QUIKSERV CORP.</b>						11/17/11 DATE	
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041 PHONE: (713) 937-3437 FAX: (713) 937-9765						11-120 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 5 OF 14	
1	OLD 08-251	11/17/11	3	-	-		
2	-	-	4	-	-		





## 5 — INSULATED GLAZING DETAILS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-120607  
Expiration Date 11/17/14  
By *Manuel Perez*  
Miami Dade Product Control

MIAMI DADE COUNTY



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**TILTECO INC.**

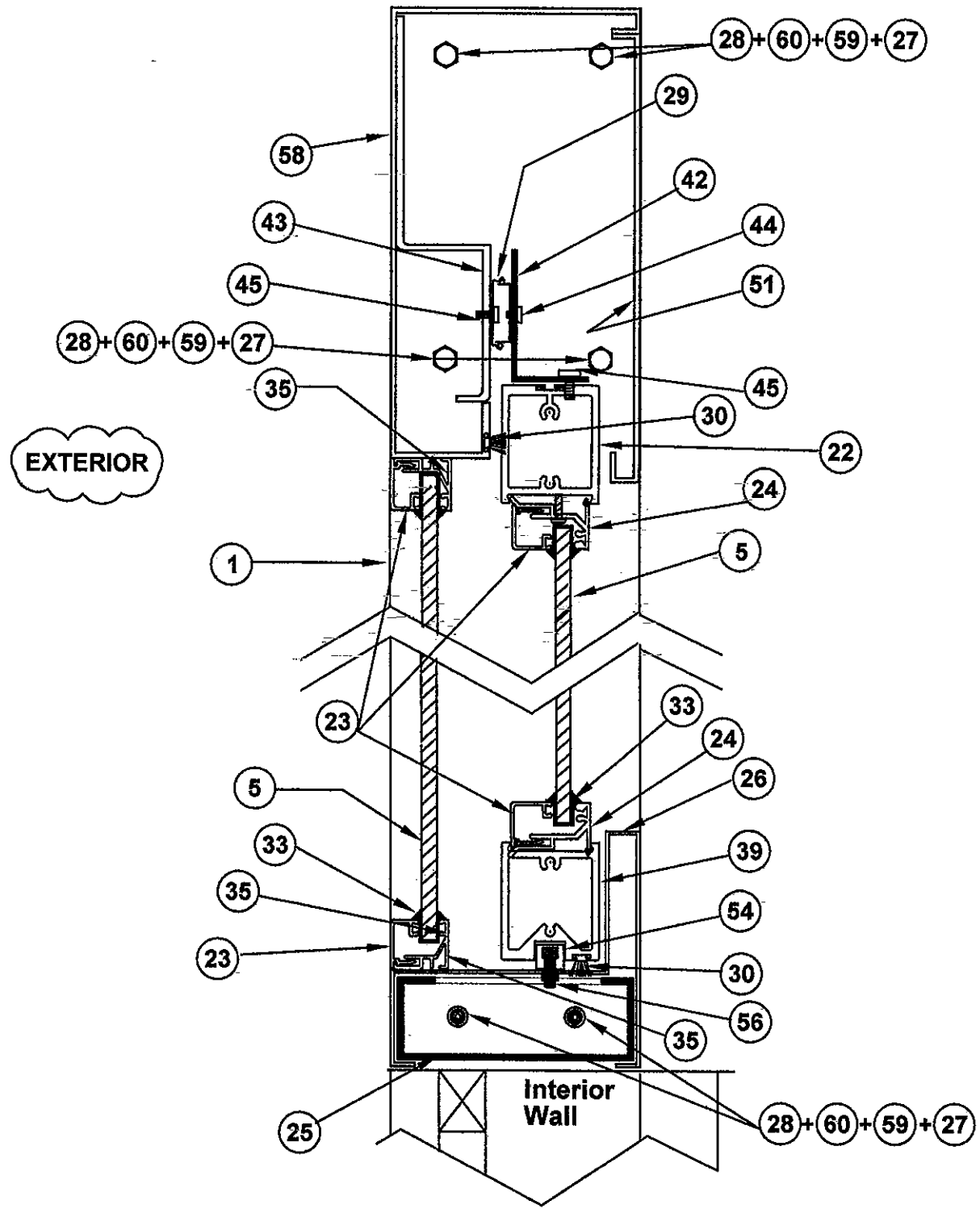
TILLIT TESTING & ENGINEERING COMPANY  
6395 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166  
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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

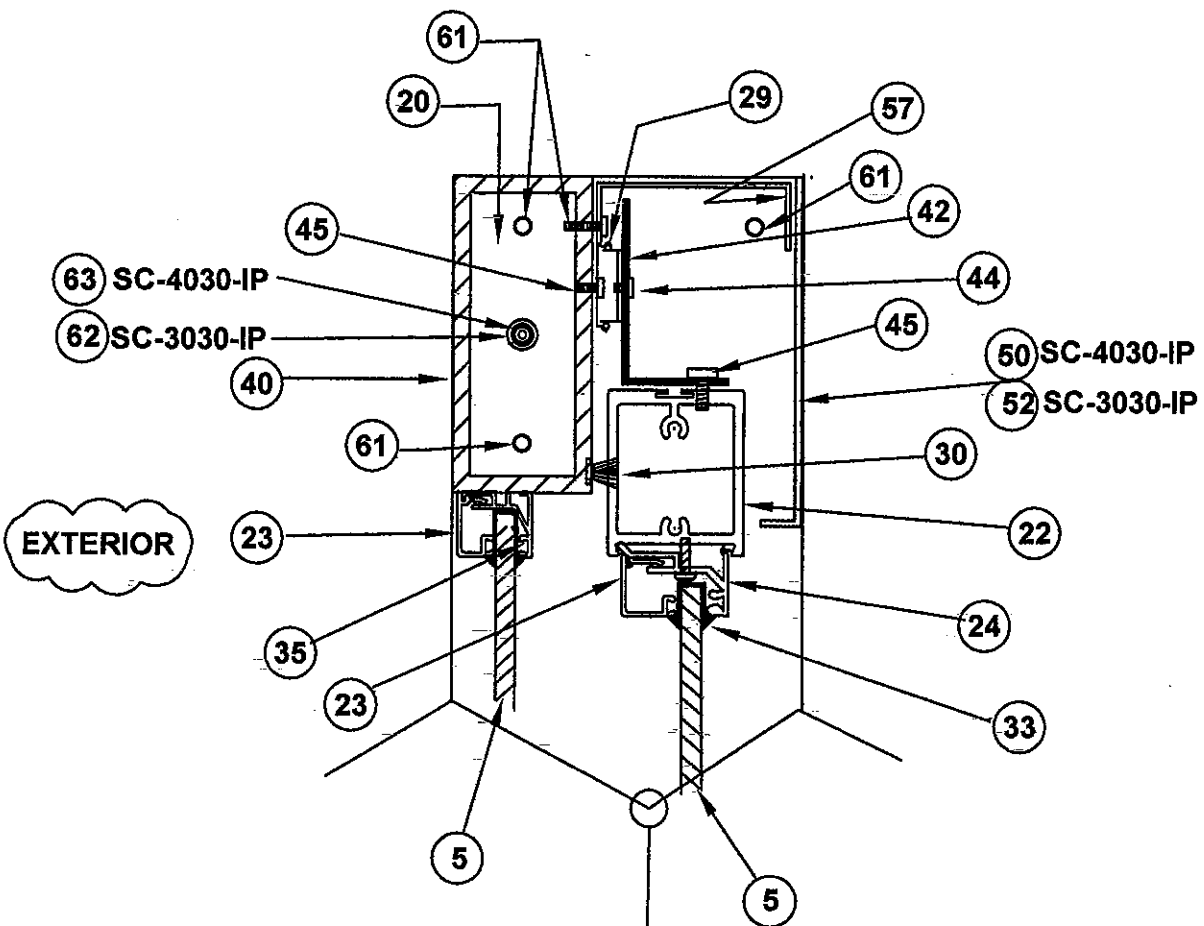
COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT						DRAWN BY F.P./M.C.V./A.G.	
QUIKSERV CORP.						11/17/11 DATE	
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041						11-120 DRAWING No	
PHONE: (713) 937-3437 FAX: (713) 937-8765						SHEET 6 OF 14	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE		
1	OLD 08-251	11/17/11	3	-	-		
2	-	-	4	-	-		

DOOR - HEADER CONNECTIONS

MODEL SS-4035E-IP TYPE 1 WINDOW, HEADER



MODEL SC-4030-IP TYPE 2 WINDOW, HEADER  
MODEL SC-3030-IP TYPE 3 WINDOW, HEADER



CONTINUED EQUAL TO WINDOW TYPE 1

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1206-07  
Expiration Date March 25, 2014  
By *Manuel Perez*  
Miami Dade Product Control  
MIAMI DADE COUNTY

WALTER A. TILLIT JR.  
LICENSE  
No. 44167  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
SEAL/SIGNATURE/DATE

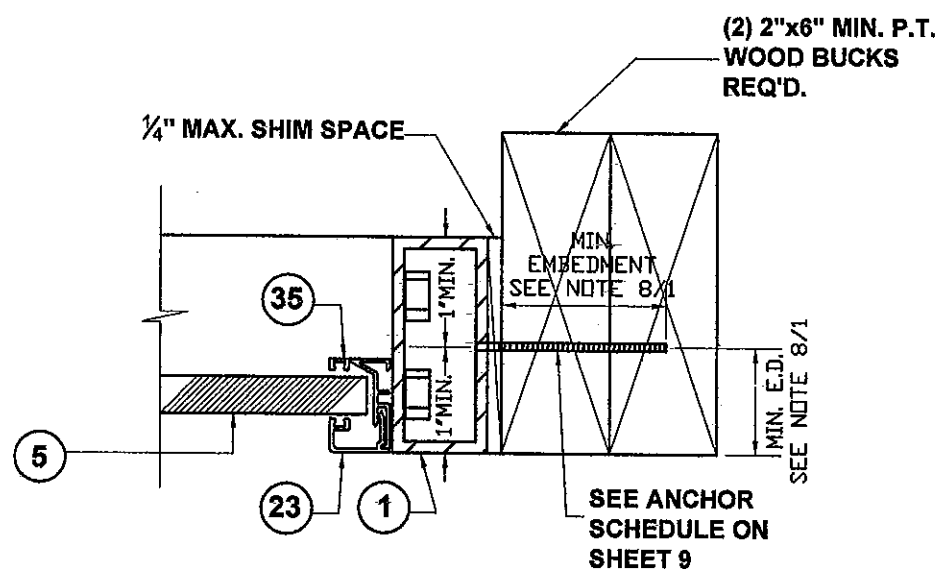
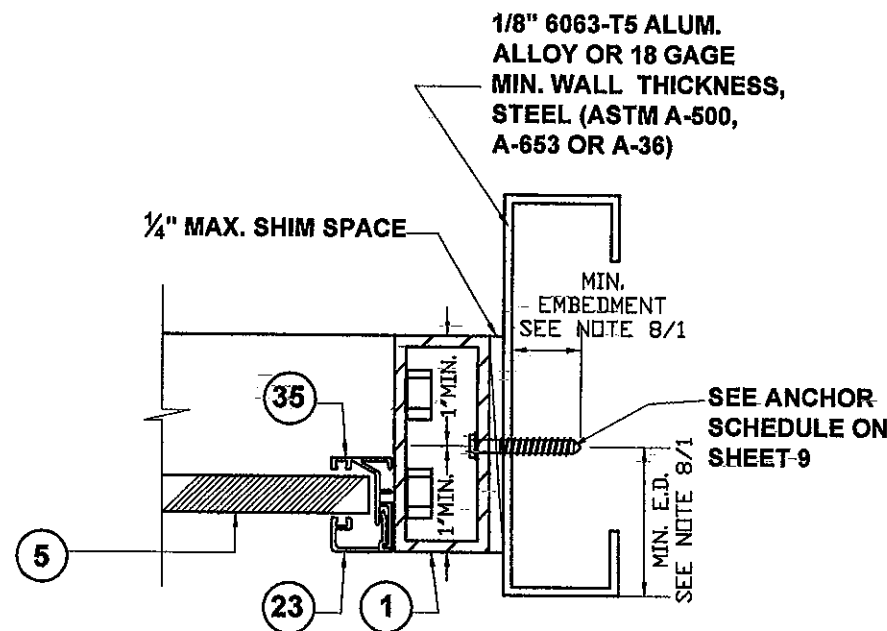
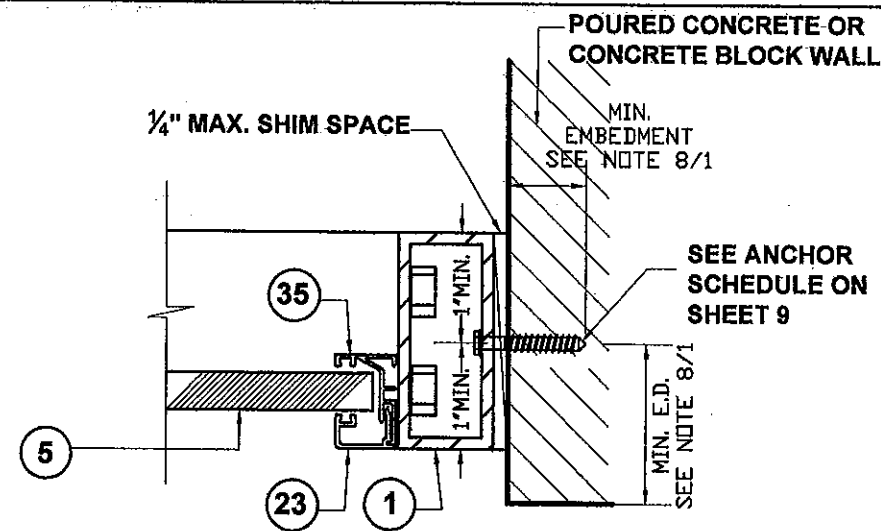
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TILLIT TESTING & ENGINEERING COMPANY  
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EB-0006719  
WALTER A. TILLIT JR. P.E.  
FLORIDA Lic. # 44167

COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT  
**QUIKSERV CORP.**  
11441 BRITTMORE PARK DRIVE,  
HOUSTON, TEXAS 77041  
PHONE: (713) 937-3437 FAX: (713) 937-9785  
REV. No. DESCRIPTION DATE REV. No. DESCRIPTION DATE  
1 OLD 08-251 11/17/11 3 - -  
2 - - - 4 - -

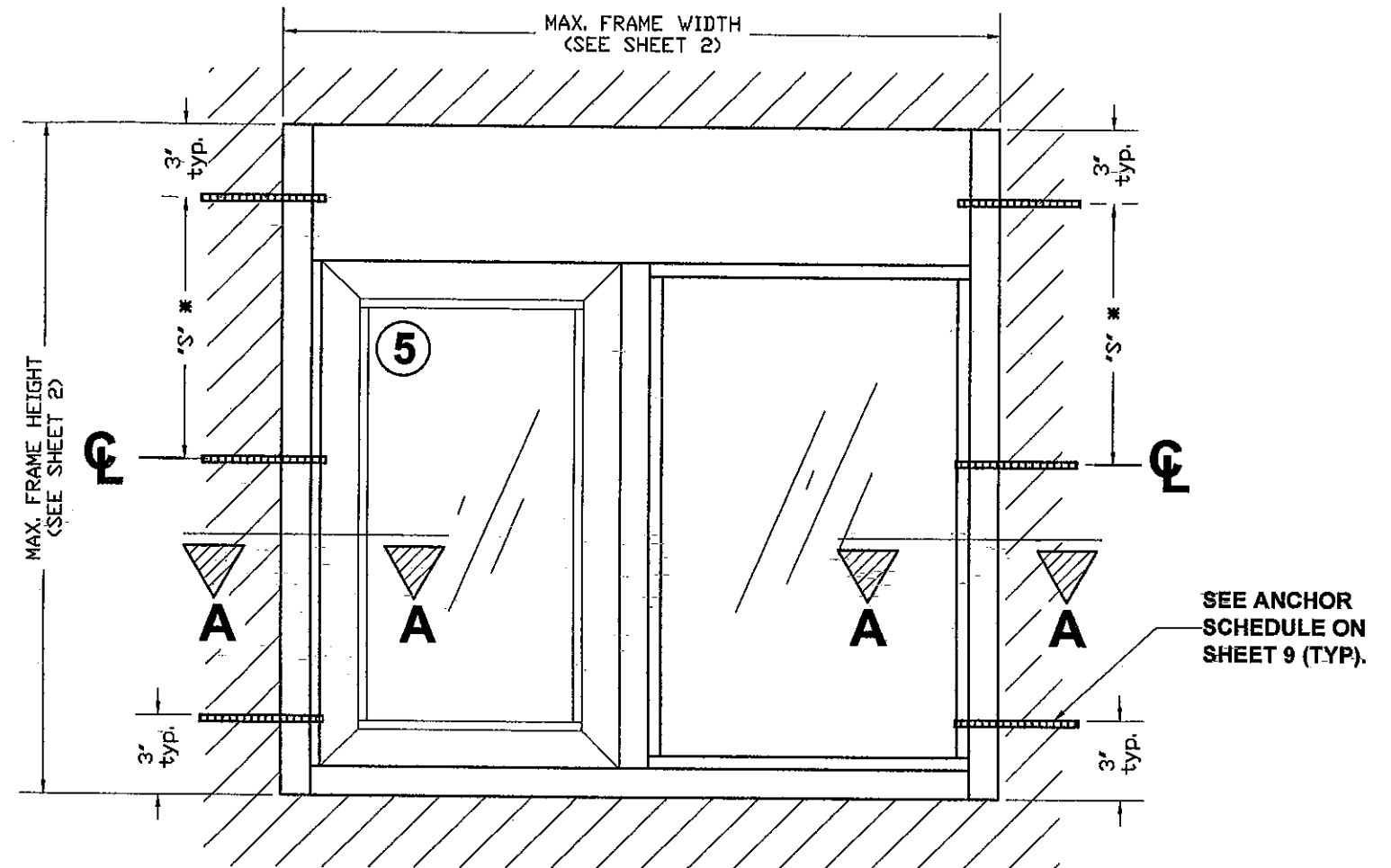
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11/17/11  
DATE  
11-120  
DRAWING No  
SHEET 7 OF 14

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

# ANCHOR INSTALLATION AND LAYOUT



**SECTION A-A**  
NTS



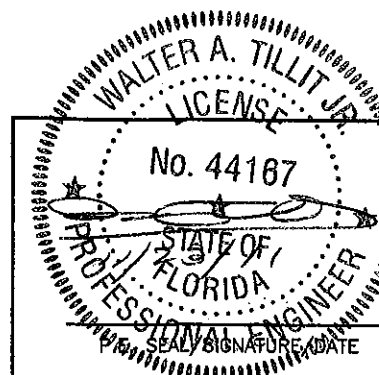
**TYPICAL FRAME ELEVATION**  
NTS

\* "S" = MAXIMUM SPACING  
SEE SHEET 9.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-120-07  
Expiration Date 11/17/11  
By *Manuel J. ...*  
Miami Dade Product Council

MIAMI DADE COUNTY

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



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COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

**QUIKSERV CORP.**

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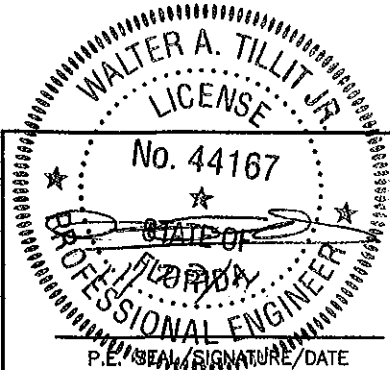
SHEET 8 OF 14

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2	-	-	4	-	-

# ANCHOR SCHEDULE

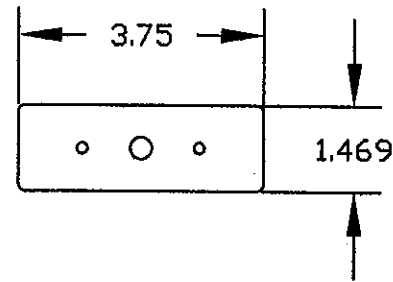
MAXIMUM ANCHOR SPACING "S" SCHEDULE AT JAMB			
DESIGN LOAD (PSF) NEGATIVE -LOAD	SUBSTRATE	ANCHOR TYPE	MAX SPACING
50 OR LESS	POURED CONCRETE (SEE NOTE 8A/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	16 1/2"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	16 1/2"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"Ø ITW BUILDEX TEK SCREWS	17 1/2"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"Ø ITW BUILDEX TEK SCREWS	17 1/2"
	WOOD (SEE NOTE 8C/1)	1/4"Ø WOOD SCREWS (NDS)	17 1/2"
> 50 TO 70	POURED CONCRETE (SEE NOTE 8A/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	11 1/2"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	11 1/2"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"Ø ITW BUILDEX TEK SCREWS	16"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"Ø ITW BUILDEX TEK SCREWS	16"
	WOOD (SEE NOTE 8C/1)	1/4"Ø WOOD SCREWS (NDS)	13 1/2"
> 70 TO 80	POURED CONCRETE (SEE NOTE 8A/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	10"
	CONCRETE BLOCK (SEE NOTE 8B/1)	1/4"Ø ITW BUILDEX TAPCON ANCHORS	10"
	ALUMINUM MEMBER (SEE NOTE 8D/1)	1/4"Ø ITW BUILDEX TEK SCREWS	14"
	STEEL MEMBER (SEE NOTE 8E/1)	1/4"Ø ITW BUILDEX TEK SCREWS	14"
	WOOD (SEE NOTE 8C/1)	1/4"Ø WOOD SCREWS (NDS)	11 1/2"

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-1206.07  
Expiration Date MARCH 25, 2014  
By Manuel Sosa  
Miami Dade Product Control  
MIAMI DADE COUNTY

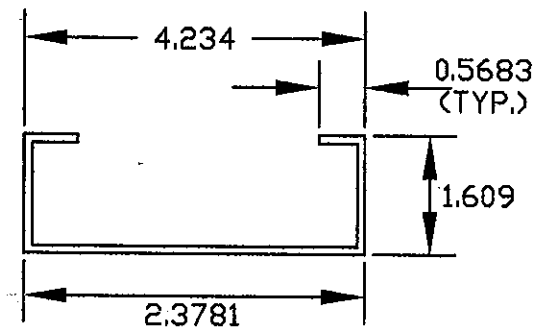


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EB-0006719  
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FLORIDA Lic. # 44167

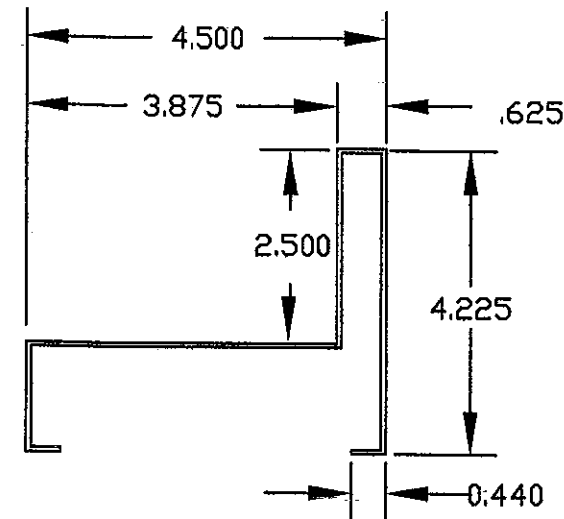
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)						DRAWN BY F.P./M.C.V./A.G.	
COMMERCIAL PASS-THRU WINDOWS LARGE MISSILE IMPACT RESISTANT						11/17/11 DATE	
QUIKSERV CORP.						11-120 DRAWING No	
11441 BRITTMORE PARK DRIVE, HOUSTON, TEXAS 77041 PHONE: (713) 937-3437 FAX: (713) 937-9785						SHEET 9 OF 14	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE		
1	OLD 08-251	11/17/11	3	-	-		
2	-	-	4	-	-		



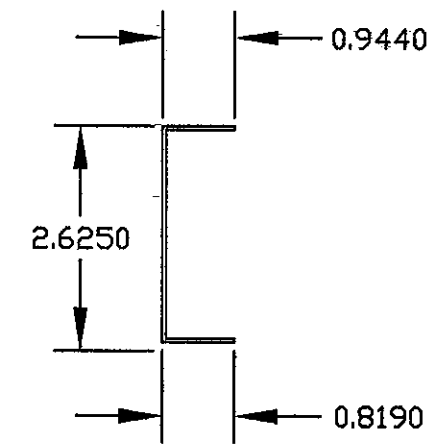
20 FRAMING PLATE  
14 ga. ASTM A-653, CQ-GRADE 40  
G-90 GALVANIZED STEEL  
QUIKSERV RM# 3757



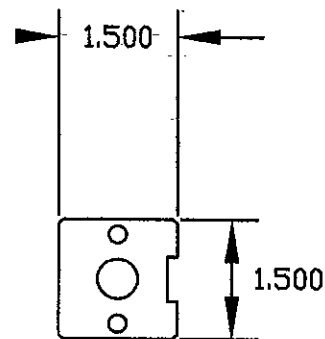
25 BASE BRACE  
14 ga. ASTM A-653, CQ-GRADE 40  
G-90 GALVANIZED STEEL  
QUIKSERV RM# 3767



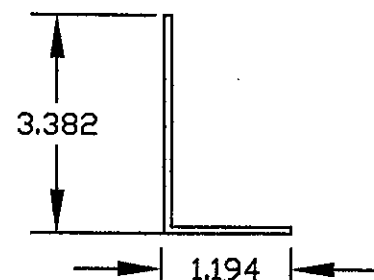
26 BASE  
20 ga. 304 Stainless Steel  
QUIKSERV RM# 3768



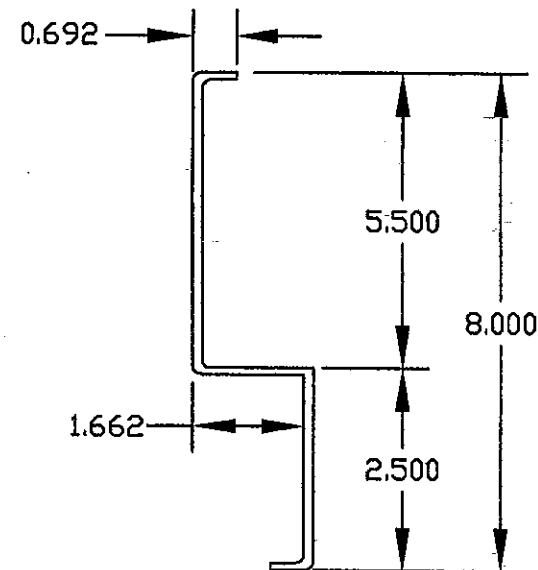
57 ACCESS COVER BRACKET  
18 ga. ASTM A-653, CQ-GRADE 40  
G-90 GALVANIZED STEEL



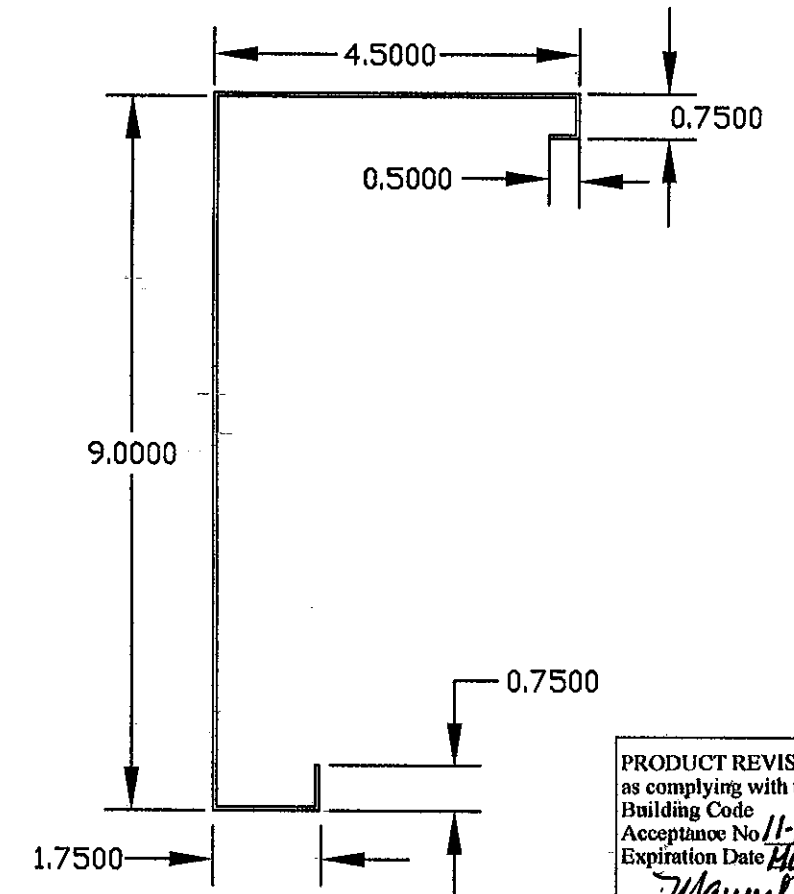
36 FRAMING PLATE  
14 ga. ASTM A-653, CQ-GRADE 40  
G-90 GALVANIZED STEEL  
QUIKSERV RM# 3668



42 DOOR BRACKET  
12 ga. ASTM A-653, CQ-GRADE 40  
G-90 GALVANIZED STEEL  
SIZE VARIES



43 HEADER BRACE  
14 ga. ASTM A-653, CQ-GRADE 40  
G-90 Galvanized Steel

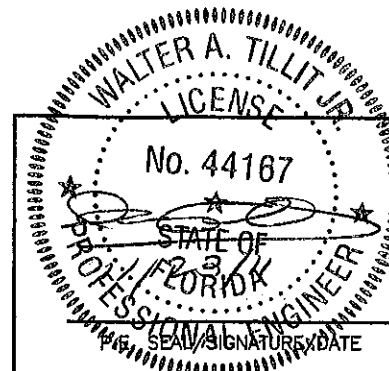


58 EXTERIOR HEADER COVER  
18 ga. 304 Stainless Steel

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-1206.07  
Expiration Date 11/17/11  
By *Walter A. Tillit Jr.*  
Miami Dade Product Control

MIAMI DADE COUNTY

## STEEL ASSEMBLY COMPONENTS



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EB-0006719  
WALTER A. TILLIT Jr., P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

DRAWN BY  
F.P./M.C.V./A.G.

**QUIKSERV CORP.**

11441 BRITTMORE PARK DRIVE,  
HOUSTON, TEXAS 77041

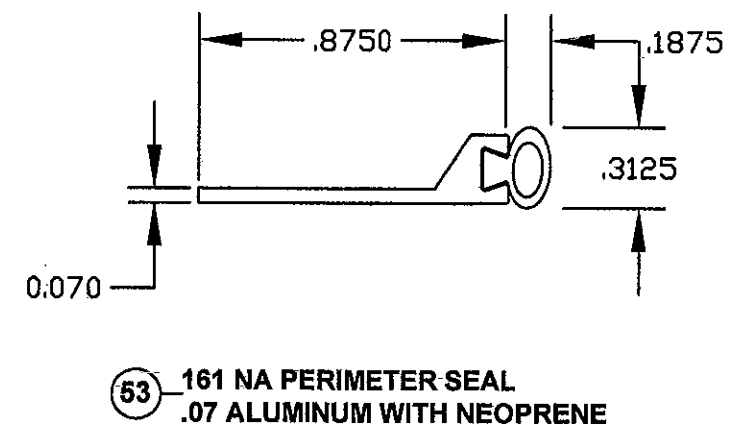
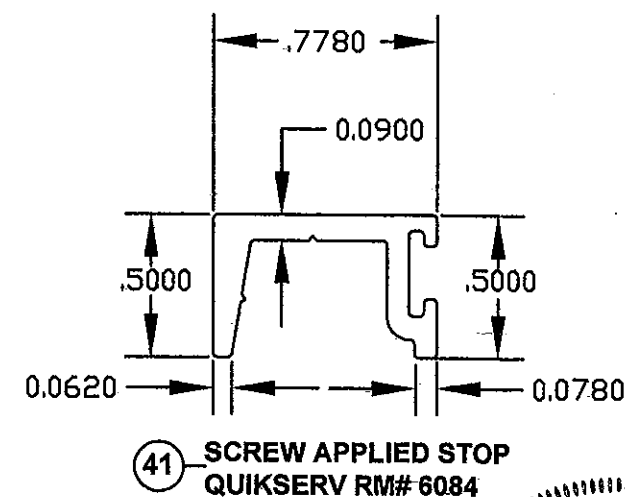
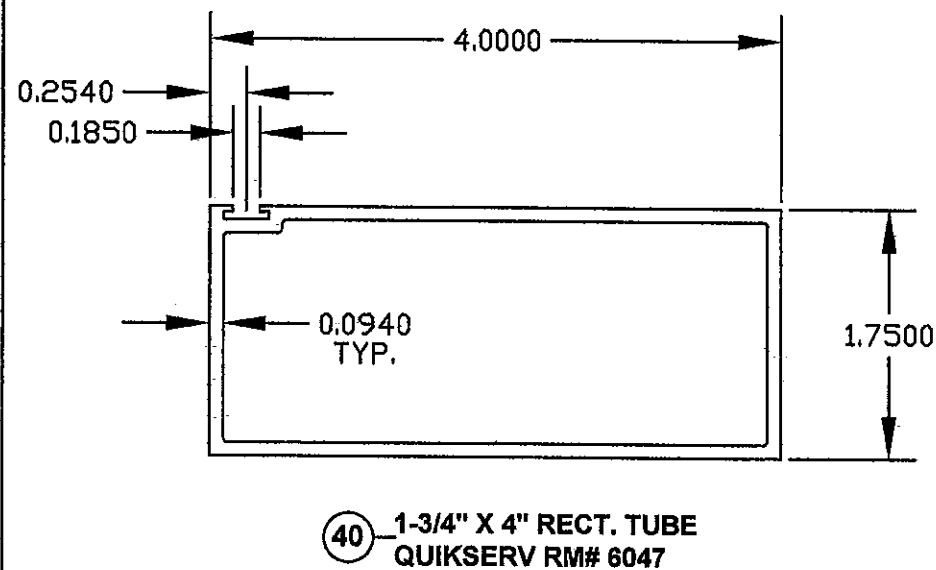
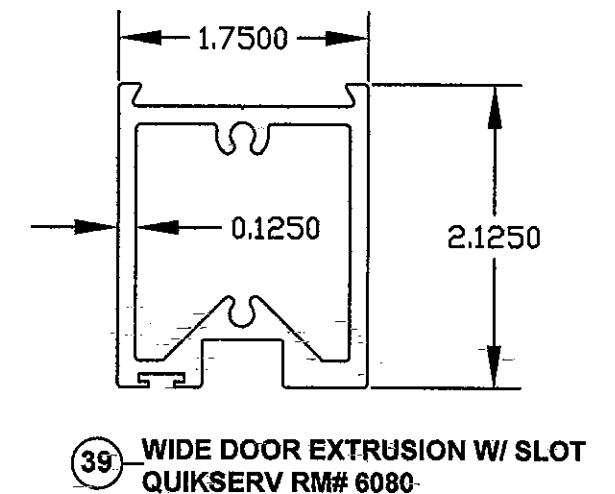
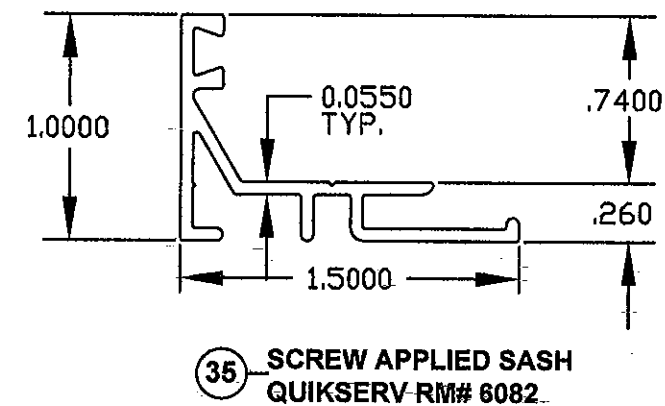
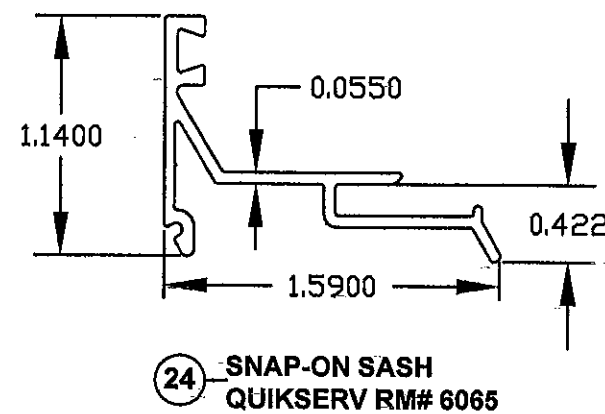
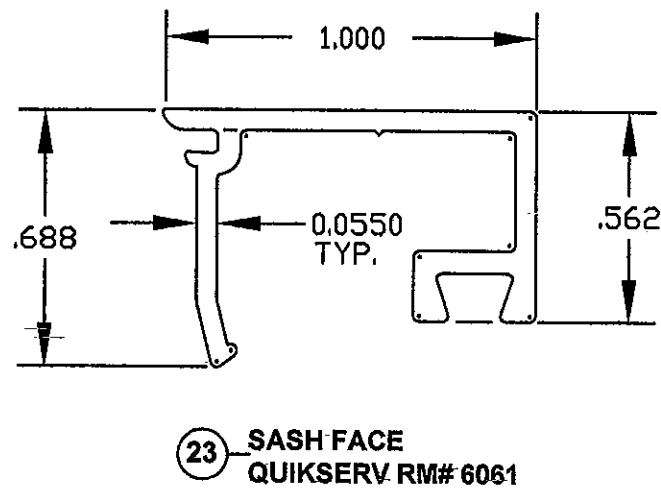
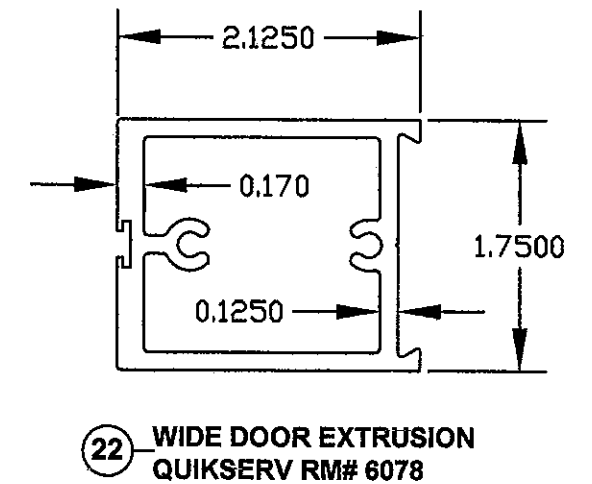
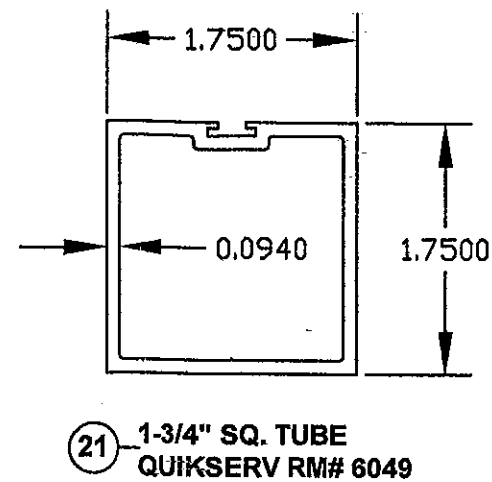
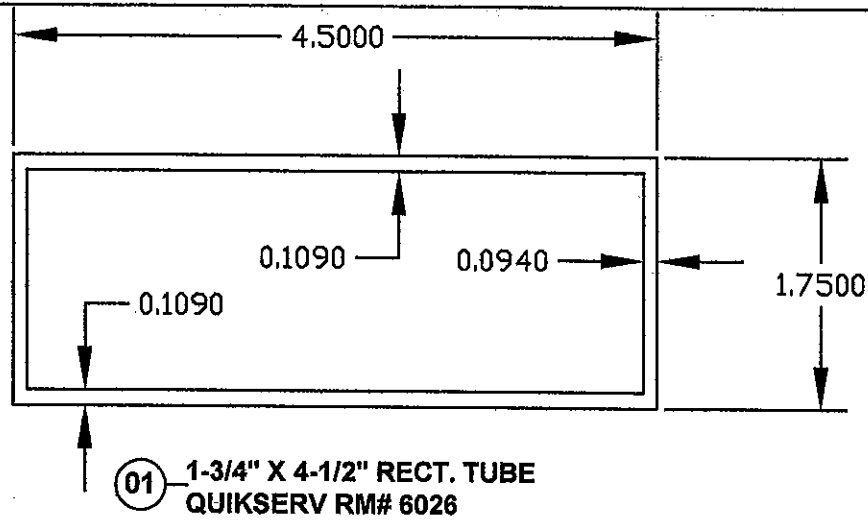
PHONE: (713) 937-3437 FAX: (713) 937-9766

11/17/11  
DATE

11-120  
DRAWING No

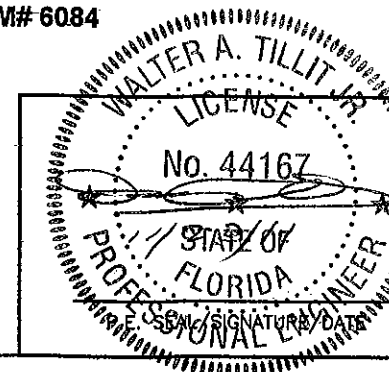
SHEET 10 OF 14

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 08-251	11/17/11	3	-	-
2	-	-	4	-	-



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1206-07  
Expiration Date March 25, 2014  
By *Manuel P. [Signature]*  
Miami Dade Product Control  
MIAMI DADE COUNTY

## ALUMINUM EXTRUSIONS COMPONENTS



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EB-0006719  
WALTER A. TILLIT Jr. P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

**QUIKSERV CORP.**

11441 BRITTMORE PARK DRIVE,  
HOUSTON, TEXAS 77041

PHONE: (713) 937-3437 FAX: (713) 937-9785

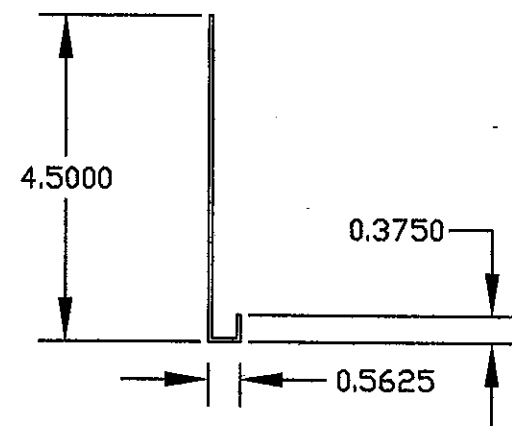
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11/17/11  
DATE

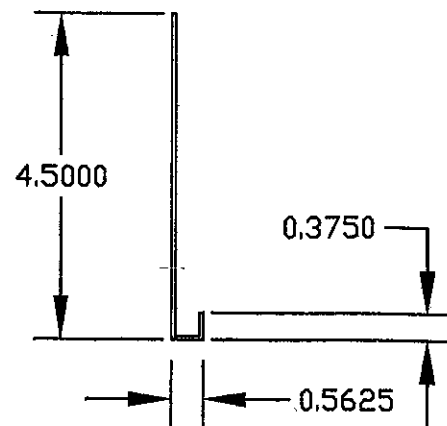
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DRAWING No

SHEET 11 OF 14

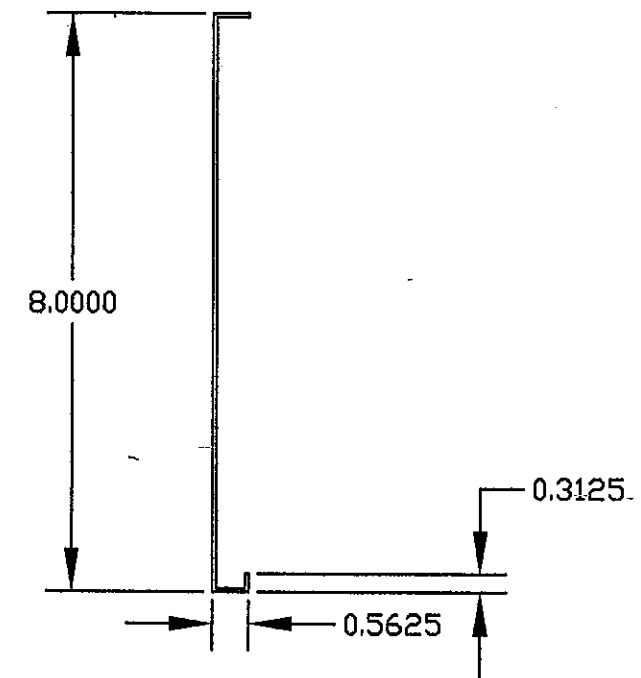
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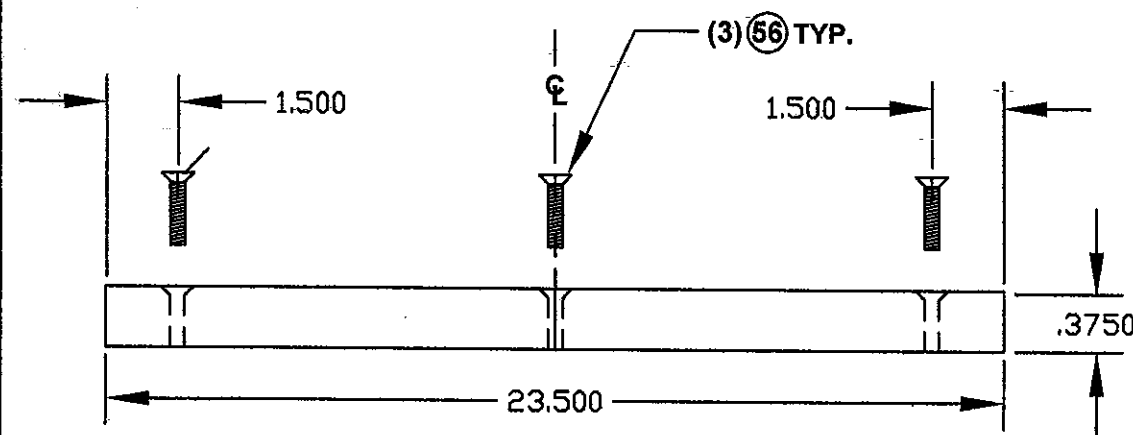
50 ACCESS COVER  
18 ga. 304 Stainless Steel  
SC-4030-IP  
QUIKSERV RM# 3606



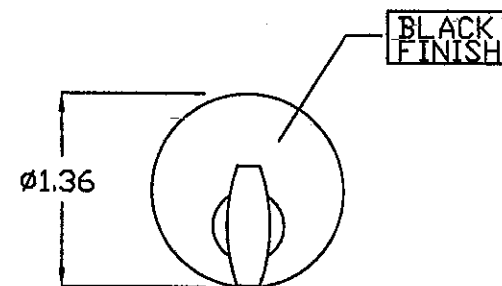
52 ACCESS COVER  
18 ga. 304 Stainless Steel  
SC-3030-IP  
QUIKSERV RM# 3566



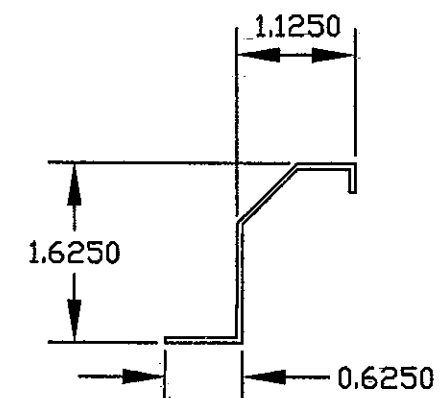
51 ACCESS COVER  
18 ga. 304 Stainless Steel  
SS-4035-E-IP  
QUIKSERV RM# 3514



54 DOOR GUIDE BLOCK  
HIGH DENSITY POLYETHYLENE  
23-1/2" (L) X 3/8" (H) X 1/2" (W)  
SPECIFIC GRAVITY=0.96-0.97  
(PER SAFETY DATA SHEET)  
MANUFACTURED BY QUADRANT EPP-USA INC,  
700 NORTH SOUTH ROAD,  
SCRANTON, PA 18501



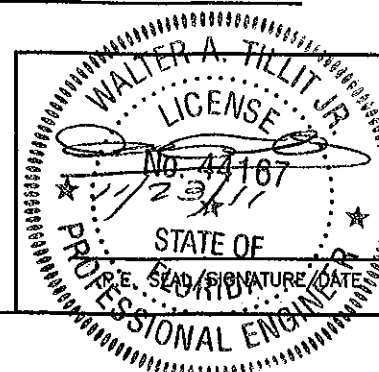
48 THUMB TURN HOOKLOCK  
QUIKSERV PART # 2022



49 DOOR HANDLE  
16 ga. 304 Stainless Steel  
QUIKSERV RM# 3588

PRODUCT REVISED  
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Expiration Date March 25, 2014  
By *Walter A. Tillit Jr.*  
Miami Dade Product Control  
MIAMI DADE COUNTY

## ASSEMBLY COMPONENTS



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WALTER A. TILLIT Jr. P.E.  
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COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

**QUIKSERV CORP.**

11441 BRITTMORE PARK DRIVE,  
HOUSTON, TEXAS 77041

PHONE: (713) 837-3437 FAX: (713) 837-9765

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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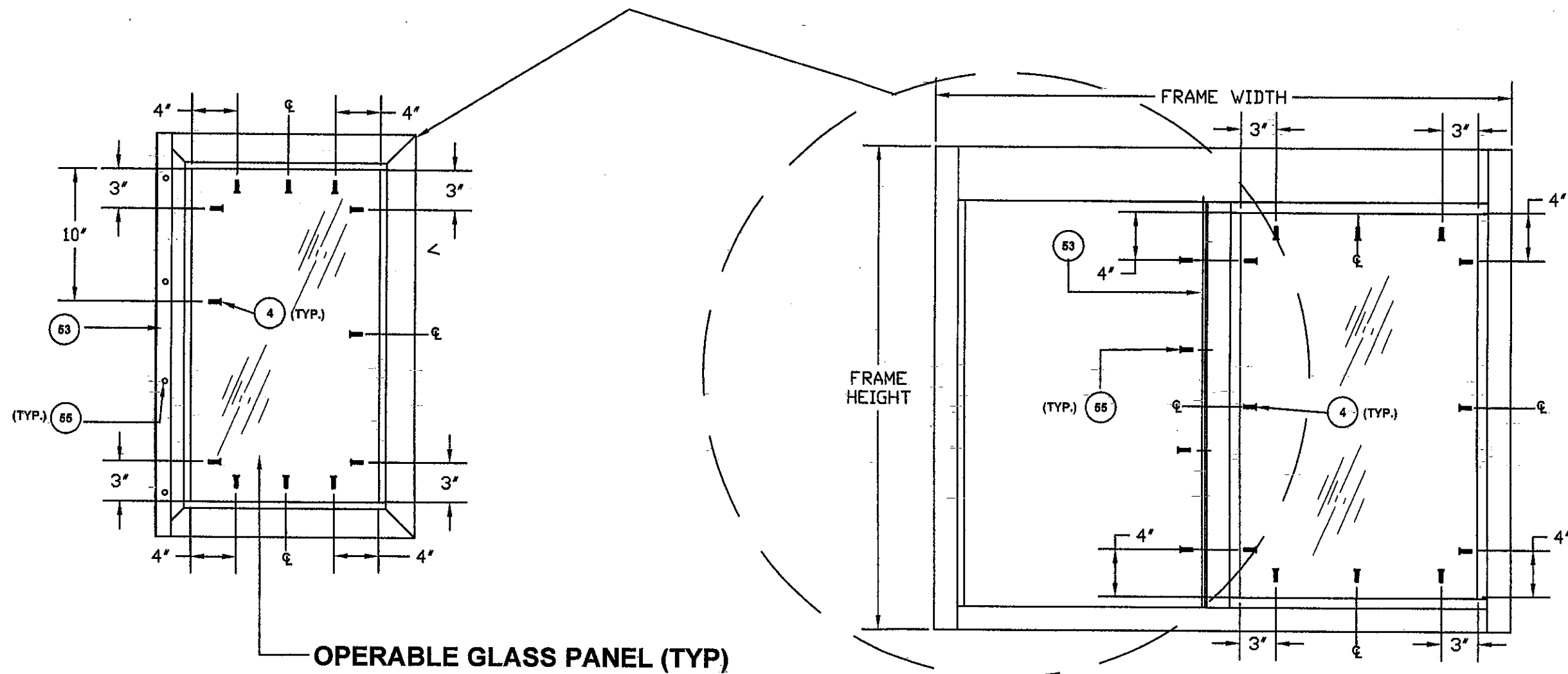
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11/17/11  
DATE

11-120  
DRAWING No

SHEET 12 OF 14

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)



## SASH INSTALLATION DETAILS

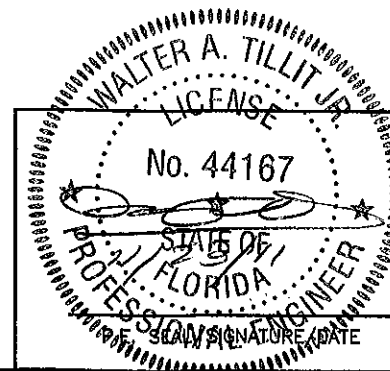
APPLICABLE TO THE FOLLOWING WINDOWS:

SS-4035E-IP (TYPE 1 WINDOW)

SC-4030-IP (TYPE 2 WINDOW)

SC-3030-IP (TYPE 3 WINDOW)

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1206.07  
Expiration Date March 25, 2014  
By: *Maurice Perez*  
Miami Dade Product Control  
MIAMI DADE COUNTY



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EB-0008719  
WALTER A. TILLIT Jr., P.E.  
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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

**QUIKSERV CORP.**

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F.P./M.C.V./A.G.

11/17/11  
DATE

11-120  
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 08-251	11/17/11	3	--	--
2	--	--	4	--	--

SHEET 13 OF 14



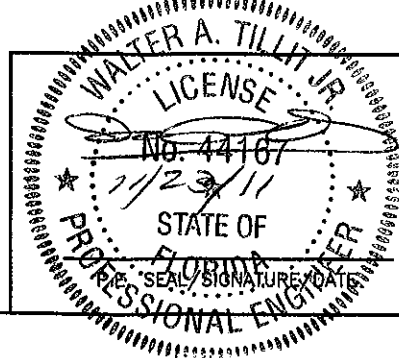
# BILL OF MATERIALS

Ref #	Description	Quikserv #	Material	Specs
1	1 3/4" x 4 1/2" Rect. Tube	6026	6063-T6 Aluminum	See drawing pg. 11 - length varies
4	Sheet Metal Screw	5055	304 Series Stainless Steel	See drawing pg. 13 - #10-32 x 1 1/2"
5	Insulated Glass	n/a	0.090" Interlayer	See drawing pg. 6
7	All Thread Rod	n/a	Grade 2 Carbon Steel, Zinc Plated	size varies
19	Hex Nut	5301	Zinc Plated	5/16"-18
20	Framing Plate	3757	14 ga. ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
21	1 3/4" Sq. Tube	6049	6063-T6 Aluminum	See drawing pg. 11 - length varies
22	Wide Door Extrusion	6078	6063-T6 Aluminum	See drawing pg. 11 - length varies
23	Sash Face	6061	6063-T6 Aluminum	See drawing pg. 11 - length varies
24	Snap-on Sash	6065	6063-T6 Aluminum	See drawing pg. 11 - length varies
25	Base Brace	3767	14 ga. ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
26	Base	3768	20 ga. 304 Series Stainless Steel	See drawing pg. 10
27	Nutsert	5318	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 1"
28	Hex Bolt	5205	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 1"
29	Slide Rail	1917	Cold Rolled Steel	n/a
30	Weatherstripping	6034	n/a	n/a
33	Glazing Vinyl	6032	n/a	n/a
34	Silicone	2100	n/a	Mfg. by Novaguard
35	Screw Applied Sash	6082	6063-T6 Aluminum	See drawing pg. 11 - length varies
36	Framing Plate	3668	14 ga. ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
39	Wide Door Extrusion w/ Slot	6080	6063-T6 Aluminum	See drawing pg. 11 - length varies
40	1 3/4" x 4" Rect. Tube	6047	6063-T6 Aluminum	See drawing pg. 11 - length varies
41	Screw Applied Stop	6084	6063-T6 Aluminum	See drawing pg. 11 - length varies
42	Door Bracket	n/a	12 ga. ASTM A-653, CQ Grade 40 G-90 Galvanized Steel	See drawing pg. 10 - size varies
43	Header Brace	n/a	14 ga. ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
44	Trim Head Hex Machine Screw	5008	Grade 2 Carbon Steel, Zinc Plated	#10-32 x 3/8"
45	Trim Head Hex Machine Screw	5005	Grade 2 Carbon Steel, Zinc Plated	#10-32 x 3/4"
48	Thumb Turn Lock	2022	Grade 2 Carbon Steel, Zinc Plated	See drawing pg. 12
49	Door Handle	3588	16 ga. 304 Series Stainless Steel	See drawing pg. 12
50	Access Cover for SC-4030-IP	3606	18 ga. 304 Series Stainless Steel	See drawing pg. 12
51	Access Cover for SS-4035E-IP	3514	18 ga. 304 Series Stainless Steel	See drawing pg. 12
52	Access Cover for SC-3030-IP	3566	18 ga. 304 Series Stainless Steel	See drawing pg. 12
53	161 NA Perimeter Seal	n/a	0.07 Aluminum with Neoprene	See drawing pg. 11 - length varies
54	Door guide Block	n/a	High Density Polyethylene 23 1/2" (L)x3/8" (H)x1/2" (W)	See drawing pg. 12
55	Phil Pan Tek Screw	n/a	410 Series Stainless Steel	#8 x 1 1/2"
56	Phil Flat Undercut Screw	5052	304 Series Stainless Steel	(3) #10-32 x 1" @ (54)
57	Access Cover Bracket	n/a	18 ga. ASTM A-653, CQ Grade 40, G-90 Galvanized Steel	See drawing pg. 10
58	Exterior Header Cover	n/a	18 ga. 304 Series Stainless Steel	See drawing pg. 10
59	Flat washer	5402	Grade 2 Carbon Steel, Zinc Plated	5/16" diameter x 0.100" Thick
60	Lock washer	5403	Grade 2 Carbon Steel, Zinc Plated	5/16" diameter x 0.083" Thick
61	Tek screw	5017	Grade 2 Carbon Steel, Zinc Plated	#8 x 1 1/2"
62	All Thread Rod	2130	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 34 1/2"
63	All Thread Rod	2105	Grade 2 Carbon Steel, Zinc Plated	5/16"-18 x 46 1/2"

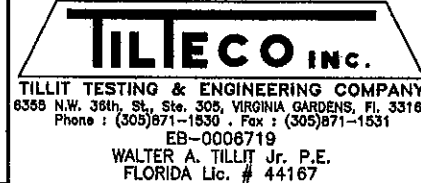
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-1206-07  
Expiration Date MARCH 25, 2014  
By Manuel Perez  
Miami Dade Product Control

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MIAMI DADE COUNTY



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COMMERCIAL PASS-THRU WINDOWS  
LARGE MISSILE IMPACT RESISTANT

**QUIKSERV CORP.**

11441 BRITTMORE PARK DRIVE,  
HOUSTON, TEXAS 77041

PHONE: (713) 937-3437 FAX: (713) 937-9765

DRAWN BY  
F.P./M.C.V./A.G.

11/17/11  
DATE

1-120  
DRAWING No

SHEET 14 OF 14

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 08-251	11/17/11	3	-	-
2	-	-	4	-	-